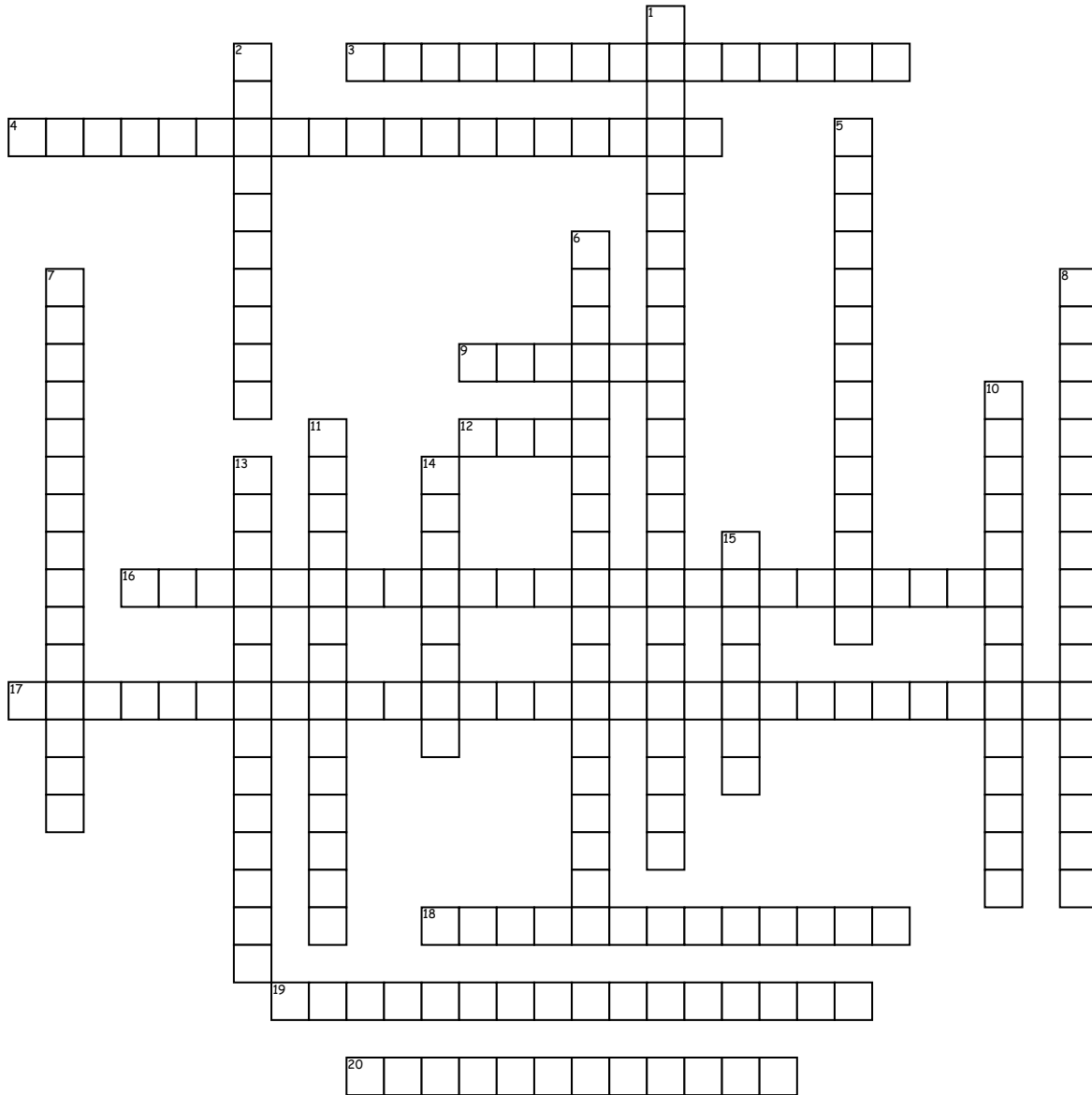# Math Vocabulary

Across

3. what Triangles are similar if all three sides in one triangle are in the same proportion to the corresponding sides in the other?

4. what angles which occupy the same relative position at each intersection where a straight line crosses two others?

9. what is equal to the ratio of the side adjacent to an acute angle (in a right-angled triangle) to the hypotenuse?

12. what is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse?

16. what vertex is outside the circle and its sides are tangents or secants?

17. what complement two other right triangle theorems, the hypotenuse-angle, or HA, theorem?

18. what two right triangles are congruent if the hypotenuse are both equal in both triangles ?

19. what angle which an incident line or ray makes with a perpendicular to the surface at the point of incidence?

20. what are lines that meet at a polygon vertex?

Down

1. what on the outer side of each of those two lines but on opposite sides of the transversal?

2. whats the longest side of a right triangle, opposite the right angle.

5. what have the same shape, but may have different sizes?

6. what is a method of using proportions to find an unknown length or distance in similar figures?

7. what triangles are similar if two sides in one triangle are in the same proportion?

8. what angle made by a reflected ray with a perpendicular to the reflecting surface?

10. what two pairs of corresponding angles are congruent?

11. what pairs of opposite angles made by two intersecting lines?

13. what is the positive acute angle that can represent an angle of any measure?

14. what action or condition of becoming or being made wider, larger, or more open?

15. what straight line or plane that touches a curve or curved surface at a point?